

| Ref # | Hits    | Search Query   | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|---------|--|---|------------------|---------|------------------|
| L1    | 2       | "20020130339"  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2005/11/19 14:47 |
| L2    | 1444068 | ( ( ferr?magnetic ferr? adj magnetic ) ((magnetic) (magnetoresist\$4 magneto adj resist\$4)) TMR (mtj magnetic adj tunnel adj junction) ) ) MRAM GMR spin adj valve SDT spin adj dependent adj tunnel\$4           | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2005/11/19 15:21 |
| L3    | 37767   | ( ( ferr?magnetic ferr? adj magnetic ) ((magnetic) (magnetoresist\$4 magneto adj resist\$4)) ) near memory TMR (mtj magnetic adj tunnel adj junction) MRAM GMR spin adj valve SDT spin adj dependent adj tunnel\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2005/11/19 15:11 |
| L4    | 915814  | narrow\$3  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2005/11/19 15:19 |
| L5    | 2702836 | middle center  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2005/11/19 15:20 |
| L6    | 21425   | L4 near6 L5  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2005/11/19 15:11 |
| L7    | 368     | L2 with L6   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2005/11/19 15:11 |
| L8    | 37      | L7 and L3  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2005/11/19 15:16 |
| L9    | 3592812 | narrow\$3 thin\$4 smaller thicker  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2005/11/19 15:20 |
| L10   | 7382597 | middle center end  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2005/11/19 15:20 |

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|-----|---------|---|---|----|----|------------------|
| L11 | 8126    | axis near3 magnetiz\$6                                | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/11/19 15:22 |
| L12 | 3686410 | transverse (perpendicular\$2 orthogonal\$3 normal\$2) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/11/19 15:22 |
| L13 | 2896    | 11 near9 12   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/11/19 15:23 |
| L14 | 383028  | 9 near9 10  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/11/19 15:24 |
| L15 | 356     | 3 same 14   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/11/19 15:24 |
| L16 | 0       | 15 same 13  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/11/19 15:24 |
| L17 | 566     | 13.clm.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/11/19 15:24 |
| L18 | 65364   | 14.clm.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/11/19 15:24 |
| L19 | 16      | 17 and 18   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/11/19 15:24 |
| L20 | 168519  | 2.clm.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/11/19 15:25 |

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|-----|----|-----------|---|----|----|------------------|
| L21 | 16 | 19 and 20 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/11/19 15:25 |
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